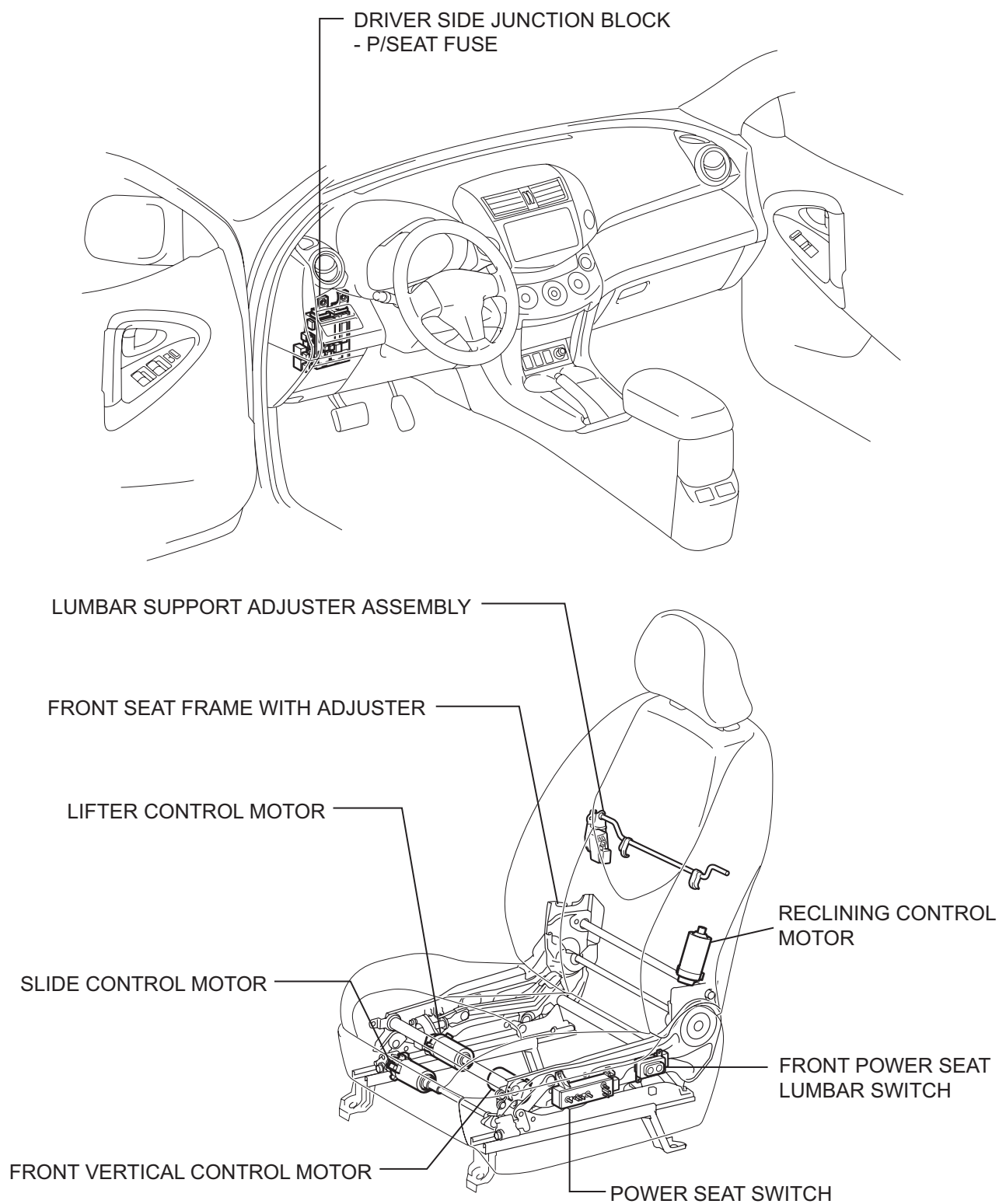


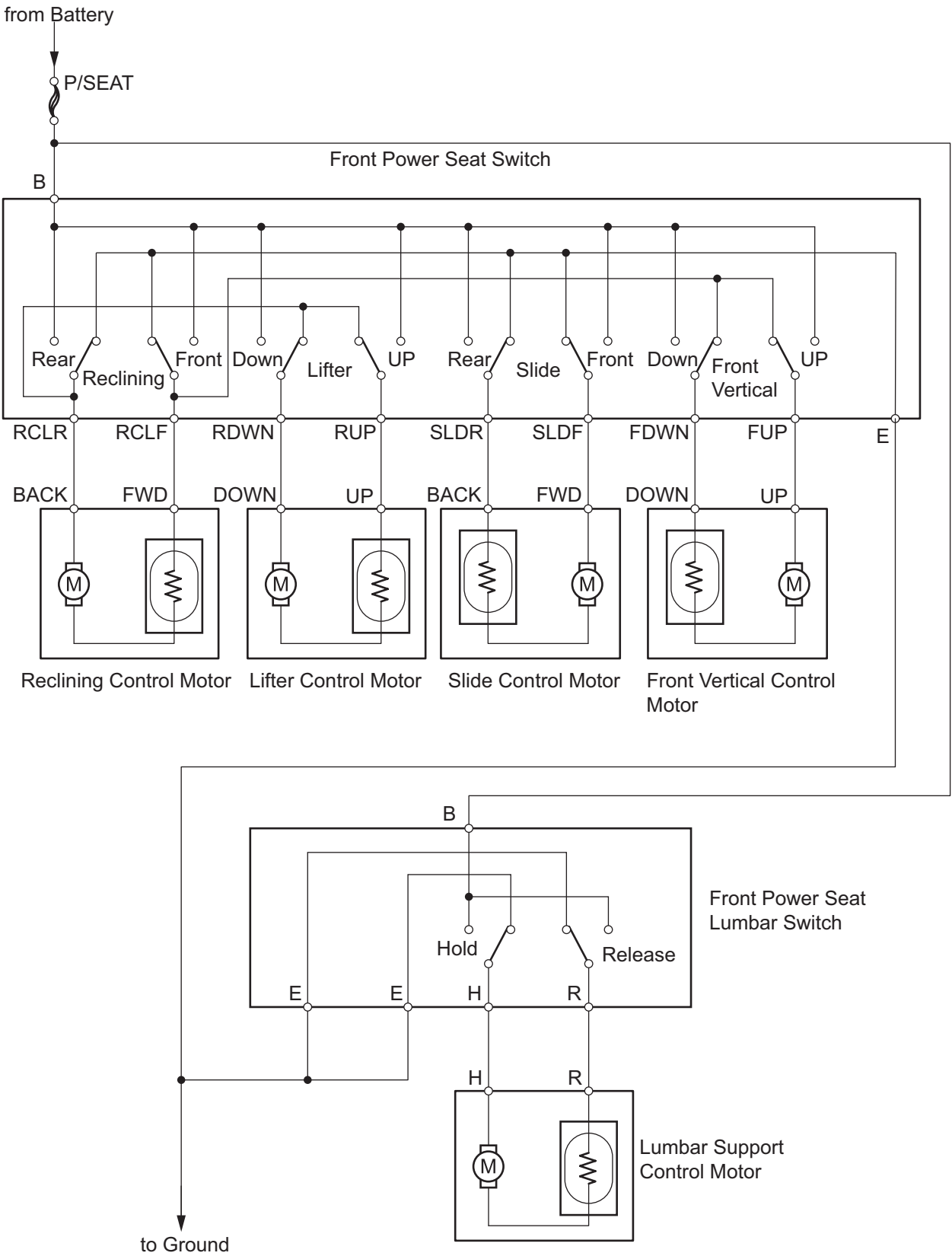
FRONT POWER SEAT CONTROL SYSTEM

PARTS LOCATION



SE

SYSTEM DIAGRAM



SE

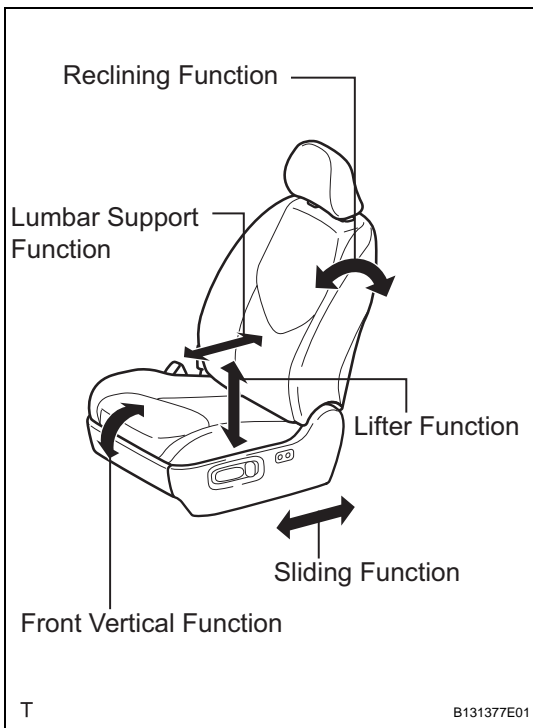
PROBLEM SYMPTOMS TABLE

HINT:

Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Front power seat control system

Symptom	Suspected area	See page
All functions do not operate (except lumbar support)	1. P/SEAT fuse	SE-1
	2. Front power seat switch	SE-124
	3. Wire harness	-
Only slide operation function does not operate	1. Front power seat switch	SE-124
	2. Front seat frame with adjuster (slide motor)	SE-125
	3. Wire harness	-
Only front vertical operation function does not operate	1. Front power seat switch	SE-124
	2. Front seat frame with adjuster (front vertical motor)	SE-125
	3. Wire harness	-
Only lifter operation function does not operate	1. Front power seat switch	SE-124
	2. Front seat frame with adjuster (lifter motor)	SE-125
	3. Wire harness	-
Only reclining operation function does not operate	1. Front power seat switch	SE-124
	2. Front seat frame with adjuster (reclining motor)	SE-125
	3. Wire harness	-
Only lumbar support operation function does not operate	1. Front power seat lumbar switch	SE-127
	2. Lumbar support adjuster (lumbar support motor)	SE-127
	3. Wire harness	-



ON-VEHICLE INSPECTION

1. CHECK POWER SEAT FUNCTION

(a) Check the basic functions.

- (1) Operate the power seat switches and check to make sure each seat function works:

- Sliding
- Front vertical
- Lifter
- Reclining
- Lumbar support

2. CHECK FRONT SEAT FRAME WITH ADJUSTER (SLIDING, FRONT VERTICAL, LIFTER AND RECLINING FUNCTIONS)

- (a) Check the PTC operation inside the power seat motor.

HINT:

The PTC thermistor's resistance increases when the power seat switch is held down even after the power seat has been moved to the maximum in one direction. If the resistance increases beyond a specified level, current is cut to prevent a short circuit.

NOTICE:

- **The inspection should be performed with the seat installed in the vehicle.**
- **Perform the 4 steps below for the full range of motion for each power seat function.**

- (1) Choose a power seat function. Operate the power seat switch and move the seat as much as possible in one direction. Keep the seat in that position for approximately 60 seconds.
- (2) Operate the power seat switch again and continue to try to move the seat in the same direction as in the previous step. Measure the amount of time elapsed before current is automatically cut (the sound of the motor has stopped).

Standard:**4 to 90 seconds**

- (3) After current has been cut, release the power seat switch and wait for approximately 60 seconds.
- (4) Operate the same power seat switch and move the seat in the opposite direction. Check that the motor operates.

3. CHECK LUMBAR SUPPORT ADJUSTER ASSEMBLY

- (a) Check the PTC operation inside the power seat motor.

NOTICE:

The inspection should be performed with the seat installed in the vehicle.

- (1) Operate the lumbar support switch and move the lumbar support to either the foremost or rearmost position. Keep the seat in that position for approximately 60 seconds.
- (2) Operate the lumbar support switch again and continue to try to move the lumbar support in the same direction as in the previous step. Measure the amount of time elapsed before current is automatically cut (the sound of the motor has stopped).

Standard:**4 to 90 seconds**

- (3) After current has been cut, release the lumbar support switch and wait for approximately 60 seconds.
- (4) Operate the lumbar support switch and move the seat in the opposite direction. Check that the motor operates.